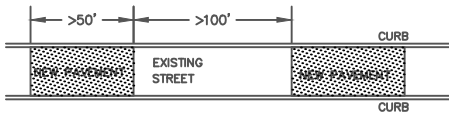


MULTIPLE CUTS SHALL BE DEFINED AS CITY STREET OR ALLEY, ASPHALT OR CONCRETE, THAT HAVE THE FOLLOWING CONDITIONS:

1. FOUR (4) OR MORE PATCHES PER 100 LINEAR FEET OF ROADWAY WITHIN A ONE (1) YEAR PERIOD OF TIME, AND

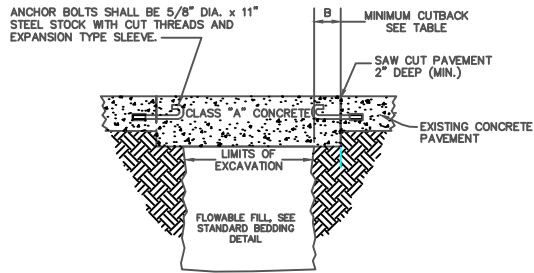
2. AREA CUT IS GREATER THAN 64 S.F. IN 100 LINEAR FEET OF ROADWAY WITHIN A ONE (1) YEAR PERIOD OF TIME.

MULTIPLE CUTS TO BE RESTORED AS FOLLOWS:

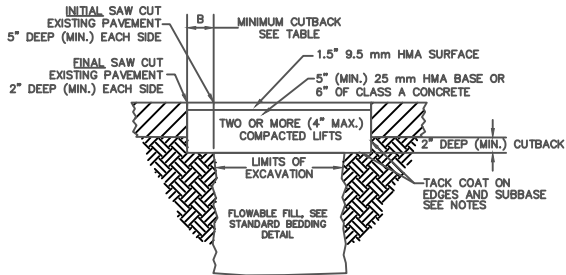


1. NEW PAVEMENT AREAS SHALL NOT HAVE GAPS OF LESS THAN 100 FEET. MINIMUM LENGTH OF NEW PAVEMENT SHALL BE 50 FEET.
2. THE CITY ENGINEER SHALL HAVE THE AUTHORITY TO NEGOTIATE A PAYMENT FROM THE UTILITY COMPANY IN LIEU OF RESURFACING. THE PAYMENT SHALL BE BASED UPON THE UNIT PRICE FOR ASPHALT FROM THE CITY'S MOST RECENT RESURFACE CONTRACT AND THE AREA THAT WOULD HAVE TO BE RESURFACED ACCORDING TO THIS STANDARD. THE PAYMENT SHALL BE PRORATED ACCORDING TO THE CITY'S RESURFACING SCHEDULE AT A RATE OF 10% PER YEAR. FOR EXAMPLE, IF THE STREET IS SCHEDULED TO BE RESURFACED IN ONE YEAR, ONLY 10% WILL BE CHARGED, IN 2 YEARS ONLY 20% ETC. THIS PAYMENT OPTION SHALL NOT APPLY TO RECENTLY RESURFACED STREETS.

CITY OF COLUMBUS
METHOD FOR REPLACING MULTIPLE CUTS

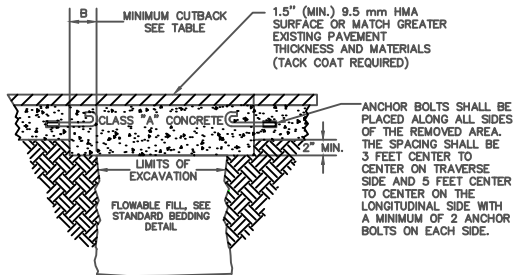


CONCRETE PAVEMENT REPAIR



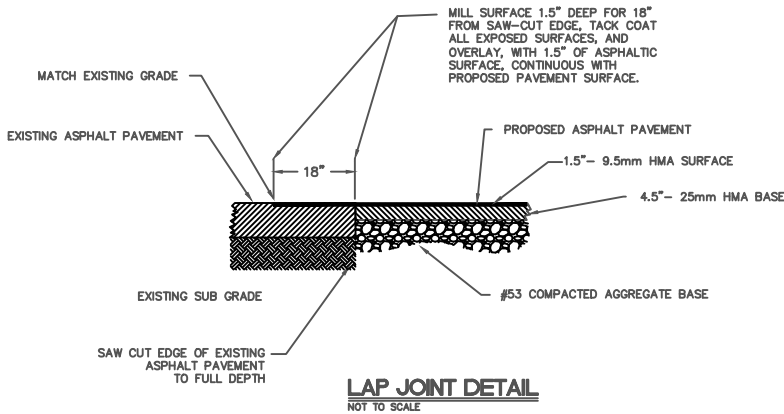
ASPHALT PAVEMENT REPAIR

FINAL CUTBACK TABLE	
B	TRENCH WIDTH
6"	3'-0" OR LESS
9"	3'-1" TO 5'-0"
12"	5'-1" OR GREATER

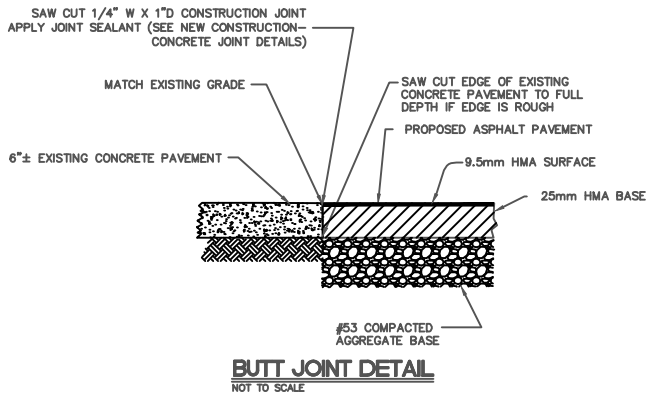


ASPHALT OVER CONCRETE
PAVEMENT REPAIR

PERMANENT PAVEMENT RESTORATION
NOT TO SCALE



LAP JOINT DETAIL
NOT TO SCALE



BUTT JOINT DETAIL
NOT TO SCALE

PAVEMENT RESTORATION NOTES

GENERAL:

1. MAINTENANCE OF ANY STREET RESTORATION OR REPAIR SHALL BE THE RESPONSIBILITY OF THE INDIVIDUAL UTILITY OR DEVELOPER AUTHORIZED TO MAKE SUCH REPAIR UNTIL THE STREET HAS BEEN RESURFACED.

PERMANENT PAVEMENT RESTORATION:

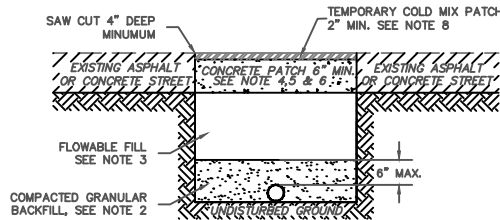
1. THIS STREET REPAIR PROCEDURE SHALL BE USED FROM APRIL 15th UNTIL NOVEMBER 15th OR AS LONG AS H.M.A. IS AVAILABLE.
2. BED PIPE OR CONDUIT WITH APPROVED COMPACTED GRANULAR MATERIAL . (SAND, PIT RUN, PR B-BORROW)
3. FLOWABLE FILL SHALL HAVE A COMPRESSIVE STRENGTH OF 50 TO 150 P.S.I. FLOWABLE FILL SHALL BE SUPPLIED BY A PROVIDER APPROVED BY THE CITY ENGINEER. APPROVAL SHALL BE BASED ON INDOT PREQUALIFICATION AND SUBMITTAL OF AN ACCEPTABLE MIX DESIGN(S).
4. ASPHALT STREETS: ASPHALT PATCH SHALL BE 5D BASE OR EQUAL, 6" MINIMUM DEPTH OR MATCH EXISTING. CONCRETE PATCH SHALL BE 6" MINIMUM DEPTH OR MATCH EXISTING, HIGH STRENGTH INDOT CLASS "C", WITH 2% CALCIUM AND SHALL BE PLACED WITHIN 24 HOURS.
5. CONCRETE STREETS: CONCRETE PATCH SHALL BE 6" MINIMUM DEPTH OR MATCH EXISTING, HIGH STRENGTH INDOT CLASS "C", WITH 2% CALCIUM, FLUSH WITH EXISTING SURFACE. BROOM FINISHED AT RIGHT ANGLES TO TRAFFIC FLOW AND SHALL BE PLACED WITHIN 24 HOURS.
6. PLACE 1.5" PATCH OF #11 SURFACE H.M.A. (WITHIN 24 HOURS) FLUSH WITH EXISTING SURFACE. SURFACE OF CONCRETE OR ASPHALT PATCH AND EDGES OF EXISTING ASPHALT SHALL BE TACK COATED BEFORE PLACING H.M.A. PATCH.
7. IF MORE THAN ONE CUT IS MADE ON A CITY STREET, AND THE DISTANCE BETWEEN THE TWO IS 5'-0" OR LESS, THE CONTRACTOR OR PERSONS MAKING THE REPAIR WILL BE REQUIRED TO REMOVE THE SURFACE BETWEEN THE CUTS AND MAKE ONE REPAIR.
8. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE AT (812) 376-2540, BEFORE PLACING THE PATCH.
9. ALL OVERCUTTING AND ENTIRE PERIMETER OF FINAL REPAIR TO BE CLEANED AND SEALED WITH ASPHALT CRACK SEALER.
10. FLOWABLE FILL IS NOT TO BE USED AS A TEMPORARY DRIVING SURFACE EXCEPT FOR AN EMERGENCY AND THEN FOR A PERIOD NOT TO EXCEED 24 HOURS.

TEMPORARY PAVEMENT REPAIR:

1. THIS STREET REPAIR PROCEDURE SHALL BE USED FROM NOVEMBER 16th UNTIL APRIL 14th OR AS LONG AS H.M.A IS NOT AVAILABLE.
2. BED PIPE OR CONDUIT WITH APPROVED COMPACTED GRANULAR MATERIAL. (SAND, PIT RUN OR B-BORROW).
3. FLOWABLE FILL SHALL HAVE A COMPRESSIVE STRENGTH OF 50 TO 150 P.S.I. FLOWABLE FILL SHALL BE SUPPLIED BY A PROVIDER APPROVED BY THE CITY ENGINEER. APPROVAL SHALL BE BASED ON INDOT PREQUALIFICATION AND SUBMITTAL OF ACCEPTABLE MIX DESIGN(S)
4. FLOWABLE FILL IS NOT TO BE USED AS A TEMPORARY DRIVING SURFACE EXCEPT FOR AN EMERGENCY REPAIR AND THEN FOR A PERIOD NOT TO EXCEED 24 HOURS.
5. ASPHALT STREETS: CONCRETE PATCH SHALL BE 6" MIN. DEPTH OR MATCH EXISTING, PLACED WITHIN 24 HOURS.
6. CONCRETE STREETS: CONCRETE PATCH SHALL BE 6" MINIMUM DEPTH OR MATCH EXISTING, FLUSH WITH EXISTING SURFACE AND BROOM FINISHED AT RIGHT ANGLES TO TRAFFIC FLOW, PLACED WITHIN 24 HOURS.
7. ALL CONCRETE SHALL BE INDOT CLASS "C", WITH 2% CALCIUM AND SHALL BE COVERED AND INSULATED FOR 4 HOURS PRIOR TO BEING OPENED TO TRAFFIC.
8. PLACE TEMPORARY 2" PATCH OF COLD MIX FLUSH WITH EXISTING SURFACE WITHIN 24 HOURS. TEMPORARY PATCH SHALL BE REMOVED AND REPLACED WITH 2" OF #11 H.M.A. SURFACE AS SOON AS H.M.A. BECOMES AVAILABLE. SURFACE OF CONCRETE AND EDGES OF EXISTING ASPHALT SHALL BE TACK COATED BEFORE PLACING H.M.A.
9. IF MORE THAN ONE CUT IS MADE ON A CITY STREET, AND THE DISTANCE BETWEEN THE TWO IS 5'-0" OR LESS, THE CONTRACTOR OR PERSONS MAKING THE REPAIR WILL BE REQUIRED TO REMOVE THE SURFACE BETWEEN THE CUTS AND MAKE ONE REPAIR.
10. CONTRACTORS SHALL NOTIFY THE CITY ENGINEER'S OFFICE AT (812) 376-2540, BEFORE PLACING CONCRETE OR ASPHALT PATCH.
11. ALL OVERCUTTING AND ENTIRE PERIMETER OF FINAL REPAIR TO BE CLEANED AND SEALED WITH ASPHALT CRACK SEALER.
12. FINAL REPAIRS SHALL BE COMPLETED NO LATER THAN MAY 1st.

SPECIAL SURFACE STREETS:

1. ANY SPECIAL SURFACES SHALL BE RESTORED IN-KIND. FOR EXAMPLE. BRICK SURFACE STREETS REQUIRE ALL PAVEMENT CUTS TO BE RESTORED WITH BRICK. COBBLESTONE SURFACE STREETS MUST BE RESTORED WITH COBBLESTONE. PERMIT HOLDER SHALL SALVAGE AS MUCH OF THE EXISTING BRICK OR COBBLESTONE AS POSSIBLE FOR REUSE IN THE RESTORATION AND SHALL SUPPLY ANY REMAINING MATERIAL REQUIRED FOR THE RESTORATION.



TEMPORARY PAVEMENT REPAIR

NOT TO SCALE



DWN BY: AJB

REVISIONS	DATE	BY

DATE: 12/23/2014

SCALE: N.T.S.

CITY OF COLUMBUS
OFFICE OF CITY ENGINEER
123 WASHINGTON STREET
COLUMBUS, INDIANA 47201

SHEET TITLE:

PAVEMENT REPAIR AND RESTORATION
TYPICAL SECTIONS AND NOTES

CERT.

SHEET:

OF:

JOB No.

DRG. No.

FILE: